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**D4150-041**  
**Job Sheet 192822**



009779 4

**Part No:** D4150-041

**Job Qty:** 4 pcs

**Part Name:** Attachment Arm Assembly



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 4/2/19

**Job Tracking No:**

**Due Date:** 4/26/19

**Created By:** Marie Lajeunesse

**Type:** SOLD

**Description:**

**Note:** DWG REV B IPP Rev:A 10.06.24 new issue DD verf:EC IPP Rev:B 10.07.22 as per revB DD verf:JLM

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation                   | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off    |
|-------|-----------------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|-------------|
|       |                             |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |             |
| 100   | Small Fab - 1               | 4 pcs | 4/26/19    |          | 0.00      | 0.11    | Small Fab - 1         |           | MAY 14 2019 |
|       |                             |       |            |          |           |         | Small Fab - 2         |           |             |
|       |                             |       |            |          |           |         | Small Fab - 3         |           |             |
|       |                             |       |            |          |           |         | Small Fab - 4         |           |             |
|       |                             |       |            |          |           |         | Small Fab - 5         |           |             |
|       |                             |       |            |          |           |         | Small Fab - 6         |           |             |
|       |                             |       |            |          |           |         | Small Fab - 7         |           |             |
| 110   | QC 5                        | 4 pcs | 4/26/19    |          | 0.00      | 0.00    | QC 5 - 10             |           | MAY 14 2019 |
|       |                             |       |            |          |           |         | QC 5 - 12             |           |             |
|       |                             |       |            |          |           |         | QC 5 - 17             |           |             |
|       |                             |       |            |          |           |         | QC 5 - 18             |           |             |
|       |                             |       |            |          |           |         | QC 5 - 19             |           |             |
|       |                             |       |            |          |           |         | QC 5 - 22             |           |             |
|       |                             |       |            |          |           |         | QC 5 - 24             |           |             |
|       |                             |       |            |          |           |         | QC 5 - 3              |           |             |
|       |                             |       |            |          |           |         | QC 5 - 43             |           |             |
|       |                             |       |            |          |           |         | QC 5 - 49             |           |             |
|       |                             |       |            |          |           |         | QC 5 - 51             |           |             |
|       |                             |       |            |          |           |         | QC 5 - 58             |           |             |
|       |                             |       |            |          |           |         | QC 5 - 68             |           |             |
|       |                             |       |            |          |           |         | QC 5 - 9              |           |             |
|       |                             |       |            |          |           |         | QC 5 - 50             |           |             |
|       |                             |       |            |          |           |         | QC 5 - 30             |           |             |
|       |                             |       |            |          |           |         | QC 5 - 40             |           |             |
|       |                             |       |            |          |           |         |                       |           |             |
|       |                             |       |            |          |           |         |                       |           |             |
|       |                             |       |            |          |           |         |                       |           |             |
|       |                             |       |            |          |           |         |                       |           |             |
| 120   | Packaging 3-1 - Stock - B4B | 4 pcs | 4/26/19    |          | 0.00      | 0.00    | Packaging 3 - 1 - B4B |           | MAY 14 2019 |
|       |                             |       |            |          |           |         | Packaging 3 - 2 - B4B |           |             |
|       |                             |       |            |          |           |         | Packaging 3 - 3 - B4B |           |             |
|       |                             |       |            |          |           |         | Packaging 3 - 4 - B4B |           |             |
|       |                             |       |            |          |           |         | Packaging 3 - 5 - B4B |           |             |
|       |                             |       |            |          |           |         | Packaging 3 - 6 - B4B |           |             |
|       |                             |       |            |          |           |         | Packaging 3 - 7 - B4B |           |             |

DAS  
40  
9-89

|                                                                                                                                                                                                               |                       |                 |                   |                  |                        |                     |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------|-------------------|------------------|------------------------|---------------------|--|--|
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 8 - B4B  |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 9 - B4B  |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 10 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 11 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 12 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 13 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 14 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 15 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 16 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 17 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 18 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 19 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 20 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 21 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 22 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 23 - B4B | Pc MAY 15 2019 5:08 |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 24 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 25 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 26 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 27 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 28 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 29 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 30 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 31 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 32 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 33 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 34 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 35 - B4B |                     |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | Packaging 3 - 36 - B4B |                     |  |  |
| 130 QC 21 - SA                                                                                                                                                                                                | 4 pcs                 | 4/26/19         | 0.00 0.00         |                  | QC 21 - SA - 21        | DAB                 |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | QC 21 - SA - 70        | 21                  |  |  |
|                                                                                                                                                                                                               |                       |                 |                   |                  | QC 21 - SA - 53        | 9-59 MAY 15 2019    |  |  |
| Part Op 100 - (Small Fab)<br>Descriptions: 110 - QC5- Inspect part completeness to step on W/O)<br>120 - (Identify as per dwg & Stock Location: _____)<br>130 - (QC21- Final Inspection - Work Order Release) |                       |                 |                   |                  |                        |                     |  |  |
| <b>Job BOM</b>                                                                                                                                                                                                |                       |                 |                   |                  |                        |                     |  |  |
| <b>Part / Item</b>                                                                                                                                                                                            | <b>Component Name</b> | <b>Quantity</b> | <b>Operation</b>  | <b>Container</b> |                        |                     |  |  |
| AN3C13A                                                                                                                                                                                                       | Bolt                  | 8 Ea (2 ea)     | 100-Small Fab - 1 |                  | 5134217                |                     |  |  |
| D4150-1                                                                                                                                                                                                       | Arm                   | 4 pcs (1 ea)    | 100-Small Fab - 1 |                  | 5164747                |                     |  |  |
| D4150-3                                                                                                                                                                                                       | Arm Plate             | 8 pcs (2 ea)    | 100-Small Fab - 1 |                  | 5179563                |                     |  |  |
| MS21043-3                                                                                                                                                                                                     | Nut                   | 8 Ea (2 ea)     | 100-Small Fab - 1 |                  | 5167325                |                     |  |  |
| NAS1149C0332R                                                                                                                                                                                                 | Washer                | 16 Ea (4 ea)    | 100-Small Fab - 1 |                  | 5174158                |                     |  |  |
| <b>Job Allocations</b>                                                                                                                                                                                        |                       |                 |                   |                  |                        |                     |  |  |
| <b>Operation</b>                                                                                                                                                                                              | <b>Component Part</b> | <b>Required</b> | <b>Inventory</b>  | <b>Allocated</b> |                        |                     |  |  |
| 100-Small Fab - 1                                                                                                                                                                                             | AN3C13A               | 8               | 49                | 0                |                        |                     |  |  |
|                                                                                                                                                                                                               | D4150-1               | 4               | 26                | 0                |                        |                     |  |  |
|                                                                                                                                                                                                               | D4150-3               | 8               | 8                 | 0                |                        |                     |  |  |
|                                                                                                                                                                                                               | MS21043-3             | 8               | 1,162             | 0                |                        |                     |  |  |
|                                                                                                                                                                                                               | NAS1149C0332R         | 16              | 4,427             | 0                |                        |                     |  |  |
| <b>Part Specifications</b>                                                                                                                                                                                    |                       |                 |                   |                  |                        |                     |  |  |
| Specifications could not be found.                                                                                                                                                                            |                       |                 |                   |                  |                        |                     |  |  |

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                        | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |              |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                  | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        | MRB (QSI042) |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Disposition            |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Completed By           |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lead hand / Supervisor |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | QC / QA Coordinator    |              |  |
| <b>Root Cause</b><br><br>Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |                        |              |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |              |  |



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**Container No: S181150**



**Part: D4150-041**

**Job No: 192822**

**Serial No/Batch: S181150**

**Revision:**

**Inspector:**

**Exp Date:**

**Instructions: Various STC's**

**Date: 05/14/19**